

WPP PP PPC1CF2-Black

Washington Penn Plastic Co. Inc. - Polypropylene Copolymer

Wednesday, October 9, 2019

General Information

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Filler / Reinforcement	• Calcium Carbonate, 20% Filler by Weight		
Features	• Chemical Resistant • Copolymer	• Good Flexibility • Low Flow	• Medium Heat Resistance
Appearance	• Black	• Colors Available	
Processing Method	• Sheet Extrusion		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.04	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	1.8	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus - 2% Secant ²	239	MPa	ASTM D638
Tensile Strength			ASTM D638
Yield ³	20.0	MPa	
Yield ⁴	19.0	MPa	
Tensile Elongation			ASTM D638
Break ⁴	810	%	
Break ³	930	%	
Flexural Modulus ⁵	746	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 0.45 MPa, Unannealed	86.0	°C	ASTM D648

Additional Information

Tested at 23 ± 2°C (73.4 ± 3.6°F) and 50 ± 5% relative humidity unless otherwise noted

Notes

¹ Typical properties: these are not to be construed as specifications.

² 5.0 mm/min

³ 500 mm/min

⁴ 50 mm/min

⁵ 1.3 mm/min